

Title (en)

POLYMER, OXIDIZED POLYMER, POLYMER COMPOSITION, GEL-TYPE POLYMER COMPOSITION, AND USE THEREOF

Title (de)

POLYMER, OXIDIERTES POLYMER, POLYMERZUSAMMENSETZUNG, GELARTIGE POLYMERZUSAMMENSETZUNG UND VERWENDUNG DAVON

Title (fr)

POLYMÈRE, POLYMÈRE OXYDÉ, COMPOSITION POLYMÈRE, COMPOSITION DE POLYMÈRE DE TYPE GEL ET LEURS UTILISATIONS

Publication

EP 3275916 A4 20180404 (EN)

Application

EP 16772633 A 20160325

Priority

- JP 2015065747 A 20150327
- JP 2016059627 W 20160325

Abstract (en)

[origin: EP3275916A1] A polymer having an excellent solubility in a hydrophilic polar solvent and an excellent stability in a solvent is provided. According to the present invention, there is provided that a polymer including one or two structural units selected from the group consisting of a structural unit represented by the following chemical formula (1): and a structural unit represented by the following chemical formula(2): wherein X1 and X2 may be the same as or different from each other, wherein X1 and X2 represent: H; an alkyl group having 1 to 12 carbon atoms, optionally having a substituent; an alkoxy group having 1 to 12 carbon atoms, optionally having a substituent; an alkylene oxide group having 1 to 12 carbon atoms, optionally having a substituent; a thiocycano group optionally having a substituent; an amino group optionally having a substituent; or a thioalkyl group optionally having a substituent, or X1 and X2 are combined to be an alkylenedioxy group having 1 to 12 carbon atoms, optionally having a substituent, or an alkylenedithio group having 1 to 12 carbon atoms, optionally having a substituent, wherein X1 and X2 are not any of combinations of both X 1 and X 2 being H, of both X 1 and X 2 being the alkyl group having 1 to 12 carbon atoms, and of one of X 1 and X 2 being H with the other being the alkyl group having 1 to 12 carbon atoms, and wherein R represents: an alkyl group having 1 to 12 carbon atoms; an alkoxy group having 1 to 12 carbon atoms; an alkylene oxide group having 1 to 20 carbon atoms and 1 to 50 repeating units; a phenyl group; a heterocyclic group; or a condensed ring group, having an acidic substituent or a salt thereof.

IPC 8 full level

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Citation (search report)

- [A] EP 0260541 A2 19880323 - HONEYWELL INC [US]
- [XI] DE 102004033288 A1 20060202 - STARCK H C GMBH [DE]
- See references of WO 2016158752A1

Designated contracting state (EPC)

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